

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93423 Series/Test: / Test Date: November 15, 1993 File Name: **Fan**Make: MultifanModel #: TP48WSFormerly: EOT48 3 bladeSerial #: -Manufacturer: Blade Size: 49.4"Orifice Dia.: 50"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 9Number Rows: 1Door Length: 51.3"Location: exhaust**Other Attachments****Motor**Make: MagnetekModel #: C-582Serial #: -H.P.: 1Amps: 4.8/9.6Volts: 230/115RPM: 1725S.F.: 1.00Drive Pulley Dia.: 3.5"o.d.Axle Pulley Dia.: 14" o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: 49.4"x49.5"Discharge Area: 51.4"x51.3"Depth: 16"**Guards**Description: galv. meshSpacing: .8" x 2.3"Location: intake

TEST RESULTS

MULTIFAN TP48WS

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93423	0.00	442	18700	21.4
Fan description:	0.05	442	17300	19.3
48" belt drive, 1 hp Magnetek C582 motor,	0.10	442	15600	17.2
galvanized steel housing, aluminum shutter	0.15	441	13800	14.9
and guard	0.20	441	11700	12.5
	0.25	441	4700	5.2
